





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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/713084
		Filing Date	11/17/2003
		First Named Inventor	Kia Silverbrook
		Art Unit	2853
		Examiner Name	R. Gordon
Sheet 1 of 7	Attorney Docket Number	ZF199US	

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-6,598,960 *	07.2003	Cabal et al	_____
		US-5,883,650 **	03.16.1999	Figuerdo et al	_____
		US-5,812,159 ***	09.22.1998	Anagnostopoulos	_____
		US-5,719,804	02.17.1998	Inul et al	_____
		US-5,666,141	09.09.1997	Matoba et al	_____
		US-4,672,398	06.09.1987	Kuwabara et al	_____
		US-4,737,802	04.12.1988	Mielke	_____
		US-5,029,805	07.09.1991	Albarda et al	_____
		US-5,258,774	11.02.1993	Rogers	_____
		US-4,553,393	11.19.1985	Ruoff	_____
		US-4,864,824	09.12.1989	Gabriel et al	_____
		US-4,423,401	12.27.1983	Mueller	_____
		US-			
		US-			
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		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code 3 - Number 4 - Kind Code 1 (if known)				
		JP 404001051 **	01.06.1992	Komal	---	
		EP 0 713 774	05.29.1996	Sharp Kabushiki Kaisha	---	
		DE-195-16-997	11-16-1995	Sharp K.K.	---	
		DE-196.23.620	12.19.1996	Sharp K.K.	---	
		JP 2-108544 (Abstract)	04.20.1990	Seiko Epson Corp.	---	
		JP 2-92643 (Abstract)	04.03.1990	Seiko Epson Corp.	---	
		JP 4-353458 (Abstract)	12.08.1992	Brother Ind Ltd	---	
		JP 6-91865 (Abstract)	04-05-1994	Seikosha Co Ltd	---	
		JP 6-91866 (Abstract)	04-05-1994	Seikosha Co Ltd	---	
		JP 2-265752 (Abstract)	10.30.1990	Matsushita Electronic Ind Co Ltd	---	
		EP 0 634 273	01.18.1995	Sharp Kabushiki Kaisha	---	

Examiner Signature	[Signature]	Date Considered	9/2004
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 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language translation is attached.
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
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/7/2084
				Filing Date	11/17/2004
				First Named Inventor	Kia Silverbrook
				Art Unit	2853
				Examiner Name	R. Gordon
Sheet	4	of	7	Attorney Docket Number	ZF199US

[illegible]

FOREIGN PATENT DOCUMENTS					
Examiner Initials ³	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)			
		DE 39 34 280	04.26.1990	CAE di Cipelletti Alberto	///
		DE 29 05 063	08.14.1980	Olympia Werke AG	///
		WO 94-18010	08.18.1994	Domino Printing Sciences PLC	///
		EP 0 398 031	11.22.1990	Seiko Epson Corp	///
		EP 0 427 291	05.15.1991	Seiko Epson Corp	///
		JP 01 115639 (Abstract)	05.08.1989	Ricoh Co Ltd	///
		JP 58 116165 (Abstract)	07.11.1983	Canon K.K	///
		EP 0 627 314	12.07.1994	Olivetti Canon Ind SPA	///
		JP 61-268453 (Abstract)	11.27.1986	Olympus Optical Co Ltd	///
		JP 04 118241 (Abstract)	04.20.1992	Seiko Epson Corp	///
		EP 0 506 232	09.30.1992	Videojet Systems Int. Inc	///
		JP 07 31265 (Abstract)	12.05.1995	Canon Inc	///

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FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. 1	Foreign Patent Document Country Code 3 - Number* - Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
 		JP 03 180350	08.06.1991	Seiko Epson Corp.	11	
		WO 97 12689	04.10.1997	The Board of Trustees of the Leland Stanford University	11	
		JP.02.050841 (Abstract)	02.20.1990	Seiko Epson Corp.	11	
		EP.0.510.648	10.28.1992	Ivri Yehuda	11	
		JP 05 28765 (Abstract)	10.29.1993	Canon Inc	11	
		JP 04 141429 (Abstract)	05.14.1992	Seiko Epson Corp.	11	
		JP 01 105746 (Abstract)	04.24.1989	Ricoh Co. Ltd	11	
		GB-792-145	03-19-1958	Technograph-Printed Circuits Ltd	11	
		EP.0.750.993	01.02.1997	Canon K.K	11	
		JP.01.306254 (Abstract)	12.11.1989	Seiko, Epson Corp.	11	
	EP 0 092 229	10.28.1983	Siemens AG	11		

Examiner Signature	<i>[Signature]</i>	Date Considered	9/2004
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Application Number				10/7/3084	
Filing Date				11/17/2004	
First Named Inventor				Kia Silverbrook	
Art Unit				2853	
Examiner Name				R. Gordon	
Attorney Docket Number				ZF199US	
Sheet	6	of	7		

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Examiner Signature	<i>[Signature]</i>	Date Considered	9/2004
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1. Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/17/3084
		Filing Date	11/17/2003
		First Named Inventor	Kia Silverbrook
		Group Art Unit	2853
		Examiner Name	R. Gordon
Sheet	7	of	7
		Attorney Docket Number	ZF199US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-Issue number(s), publisher, city and/or country where published	T ²
OB		NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier-Sequola S.A., Lausanne, Vol-55, no.-1, 15-July-1996, pp-65-69, XP004077979 ISSN: 0924-4247.	
J		ATAKA, MANABU et al, "Fabrication and Operation of Polyimide Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc. New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157.	
OB		YAMAGATA, YUTAKA et al, "A Micro Mobile Mechanism Using Thermal Expansion and its Theoretical Analysis". Proceeding of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January 1994, pp-142-147, XP000528408, ISBN: 0-7803-1834-X.	

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